

# Receiving Report

Date: 15-01-13

Batch No: 131263

Supplier: Cone

Dart P/O: 27066

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☒ No ☐  
 Receipt: Cash ☐ Cr ☐  
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☒ No ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC18 Inspection ☐ N/A ☒  
 Work Order ☐ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

SP

Production/Admin: ☐  
 Date: ☐  
 Received/Costing: ☐  
 Initial: ☐

Location



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO27006

Purchase Order Date 1/12/2015

PO Print Date 1/12/2015

Page Number 1 of 2

**Order From :**

VU-COR001

C.O.R.E. AVIATION SERVICES  
16305 E. TWIN ACRES DRIVE  
GILBERT, AZ 85297  
US

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

*REVISED*

**Contact Name**

**Vendor Phone** 480 497 6136

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Ship To Contact**

**Terms** Net 10

**Ship To Phone**

**Currency** USD

**Ship Via:**

FedEx Overnight collect

**FOB**

FCA - (Free Carrier)

**Ship Acct:**

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Pric
1	AN3CS0A	Bolt	1/13/2015 Yes 1/13/2015	FN	100.00 Each	\$17.00	\$1,700.00
<i>SP15-01-13</i> <b>Line Total:</b>							\$1,700.00
2	71401-45	PROCUREMENT QUALITY CLAUSES	1/13/2015 No 1/13/2015		1.00	\$0.00	\$0.00
Procurement Quality Clauses A005 RIGHT OF ENTRY A012 CHEMICAL AND PHYSICAL TEST REPORTS A016 PERSONNEL QUALIFICATION A026 CERTIFICATION OF MATERIAL CONFORMANCE A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS A040 NOTIFICATION OF QUALITY ESCAPE A041 QUALITY MANAGEMENT SYSTEM A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENT							

PO Instructions: Fedex Acc#151793240

Note:

1/12/2015



# C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE

GILBERT, AZ 85298

USA

Ph: 480-497-6136 Fax: 480-497-3568

Email: sales@coreaviation.com

## Packing List

Ship Doc : CA150112-1

Printed : 01/12/2015

No. Items : 1

Page : 1 of 1

### Bill To:

Dart Aerospace Ltd.  
1270 Aberdeen St.  
Hawkesbury, ON K6A 1K7  
Canada

### Ship To:

Dart Aerospace Ltd.  
Main Finished Goods Location  
1270 Aberdeen St.  
Hawkesbury, ON K6A 1K7  
Canada

Sales Order : 27006

AWB : 772550020097

Resale : Not On File

Order Date : 01/12/2015

Customer# : DALD

Buyer :

Ship Date : 01/12/2015

Terms : N 10

Contact : 613-632-9577

Ship Via : FEDEX

Sales Person : sale2

Weight :

Ship Account: 151793240

FOB : GILBERT, AZ

No. Boxes :

Dimensions :

Item	Part Number/Description	CD	Location	UM	Ord	B/O	Shipped	Cust. PO#
1	AN3C50A BOLT NSN:5306-00-582-9889	FN	HC202	EA	100	0	100	27006

SP15-01-13

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### TERMS AND CONDITIONS OF SALE

MATERIALS ON THIS ORDER CONFORM TO SPECIFICATIONS AS LISTED ON YOUR PO/RO.

MATERIAL IS SUBJECT TO YOUR INSPECTION

OUR TERMS ARE AS PER OUR MUTUAL LETTERS OF AGREEMENT.

OVERDUE INVOICES WILL BE SUBJECT TO 1.5% INTEREST ON OVERDUE AMOUNTS.

NO RETURN OR REFUNDS AFTER 10 DAYS FROM INVOICE DATE.

DAMAGE OR SHORTAGE CLAIMS MUST BE MADE WITHIN 10 DAYS OF INVOICE DATE.

NO RETURNS ALLOWED WITHOUT PRIOR APPROVAL. RETURNED GOODS COULD BE SUBJECT TO A RESTOCK CHARGE.

\*\*\*\*\*

COUNTRY OF ORIGIN OF GOODS : USA

TYPE OF GOODS : AIRCRAFT PARTS

HARMONIZED CODE : 8803-20-0050

\*\*\*\*\*



# C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE

GILBERT, AZ 85298

USA

Ph: 480-497-6136 Fax: 480-497-3568

Email: sales@coreaviation.com

DUPLICATE

## Invoice

Invoice : \_CA150112-1

Date : 01/12/2015

No. Items : 1

Page : 1 of 1

To:  
Dart Aerospace Ltd.  
1270 Aberdeen St.  
Hawkesbury, ON K6A 1K7  
Canada

Ship To:  
Dart Aerospace Ltd.  
Main Finished Goods Location  
1270 Aberdeen St.  
Hawkesbury, ON K6A 1K7  
Canada

Sales Order : 27006

AWB : 772550020097

Resale : Not On File

Your Order# : 27006

Customer# : DALD

Buyer :

Order Date : 01/12/2015

Terms : N 10

Contact : 613-632-9577

Ship Date : 01/12/2015

Sales Person : sale2

Weight :

Ship Via : FEDEX

FOB : GILBERT, AZ

No. Boxes :

Dimensions :

Item	Part Number/Description	Shipped	BackOrd	CD	Unit Price	Total Amt
1	AN3C50A BOLT NSN: 5306-00-582-9889	100	0	FN	\$17.00 EA	\$1,700.00

SPIS-01-13

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\*\*\*\*\*

COUNTRY OF ORIGIN OF GOODS : USA

TYPE OF GOODS : AIRCRAFT PARTS

HARMONIZED CODE : 8803-20-0050

\*\*\*\*\*

Sub Total : \$1,700.00

Tax Total :

S + H : \$0.00

Balance : \$1,700.00

KH

# CERTIFICATE OF CONFORMANCE

## C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE, GILBERT, AZ 85298, USA

Phone: 480-497-6136 Fax: 480-497-3568 FAA Sta. #: Web:

---

Invoice : CA150112-1

Date : 01/12/2015

PO : 27006

Issued By : sale2

Page : 1 of 1

THIS IS TO CERTIFY THAT ALL GOODS ON C.O.R.E. INVOICE WERE SHIPPED IN ACCORDANCE WITH THE PART SPECIFICATIONS ON CUSTOMERS PO & TO THE BEST OF OUR KNOWLEDGE AND BELIEF, MEET THOSE STANDARDS.

ITEM(S) WERE DETERMINED TO BE IN STATED CONDITION BY VISUAL CONDITION AND OR IN ACCORDANCE WITH RECEIVING RECORDS.

ALL DETAILED RECORDS ARE KEPT ON FILE AT C.O.R.E. AVIATION SERVICES FOR ANY FUTURE CUSTOMER INSPECTION.

Item	Part Number/Description		Shipped	CD
1	AN3C50A Lot:15896	BOLT	100	FN

KH

KAIZER HUSEIN



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO27006

Purchase Order Date 1/12/2015  
PO Print Date 1/12/2015

Page Number 1 of 2

**Order From :**

VU-COR001

**Ship To :** DART AEROSPACE LTD

C.O.R.E. AVIATION SERVICES  
16305 E. TWIN ACRES DRIVE  
GILBERT, AZ 85297  
US

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

*REVISED*

*to put in mgc*

**Contact Name**

**Vendor Phone**

480 497 6136

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

FedEx Overnight collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 10

**Currency**

USD

**FOB**

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
Line Comments			Promise Date				
Delivery Comments							
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2	71401-45	PROCUREMENT QUALITY CLAUSES	1/13/2015 No 1/13/2015		1.00	\$0.00	\$0.00
Procurement Quality Clauses							
A005 RIGHT OF ENTRY							
A012 CHEMICAL AND PHYSICAL TEST REPORTS							
A016 PERSONNEL QUALIFICATION							
A026 CERTIFICATION OF MATERIAL CONFORMANCE							
A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT							
A033 STATEMENT OF CONFORMITY/TEST RECORDS							
FOR NAS, AN and MS FASTENERS							
A040 NOTIFICATION OF QUALITY ESCAPE							
A041 QUALITY MANAGEMENT SYSTEM							
A042 DART NOTIFICATION BY SUPPLIER							
A043 RETENTION OF QUALITY DOCUMENT							

8015-01-13

*815-01-13*

**PO Instructions:** Fedex Acc#151793240

**Note:**

1/12/2015



# C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE

GILBERT, AZ 85298

USA

Ph: 480-497-6136 Fax: 480-497-3568

Email: sales@coreaviation.com

DUPLICATE

## Invoice

Invoice : CA150112-1

Date : 01/12/2015

No. Items : 1

Page : 1 of 1

To:  
Dart Aerospace Ltd.  
1270 Aberdeen St.  
Hawkesbury, ON K6A 1K7  
Canada

Ship To:  
Dart Aerospace Ltd.  
Main Finished Goods Location  
1270 Aberdeen St.  
Hawkesbury, ON K6A 1K7  
Canada

Sales Order : 27006

AWB : 772550020097

Resale : Not On File

Your Order# : 27006

Customer# : DALD

Buyer :

Order Date : 01/12/2015

Terms : N 10

Contact : 613-632-9577

Ship Date : 01/12/2015

Sales Person: sale2

Weight :

Ship Via : FEDEX

FOB : GILBERT, AZ

No. Boxes :

Dimensions :

Item	Part Number/Description	Shipped	BackOrd	CD	Unit Price	Total Amt
1	AN3C50A BOLT NSN: 5306-00-582-9889	100	0	FN	\$17.00 EA	\$1,700.00

SP15-01-13

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### TERMS AND CONDITIONS OF SALE

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SUBJECT TO A RESTOCK CHARGE.

#####

COUNTRY OF ORIGIN OF GOODS : USA

TYPE OF GOODS : AIRCRAFT PARTS

HARMONIZED CODE : 8803-20-0050

#####

Sub Total : \$1,700.00

Tax Total :

S + H : \$0.00

Balance : \$1,700.00

1<H

**BUTLER, INC.**

1600 W. 166th STREET  
GARDENA, CA 90247

# Packing List

Customer No. C.O.R.E

Ship To: **CORE AVIATION SERVICES, INC.**  
16305 E. TWIN ACRES DR.  
GILBERT, AZ 85298

Bill To: **CORE AVIATION SERVICES, INC.**  
16305 E. TWIN ACRES DR.  
GILBERT, AZ 85298

Date		Ship Via		F.O.B.		Terms	
12/17/13		UPS COL		Origin			
Purchase Order Number			Order Date		Sales Person		Our Order Number
STK111121			11/27/12				15896
Quantity			U/M	Item Number	Description	Serial Number	
Reg	Shipped	B.O.					
500	500		each	AN3C50A	LOT 15896		

# BUTLER INC.

Thank You

1600 West 166th Street Gardena, CA 90247  
(310) 323-3114 FAX (310) 324-0914





PERRY JOHNSON  
REGISTRARS, INC.  
ISO 9001 REGISTERED

# BUTLER INC.

1600 W. 166th STREET  
GARDENA, CALIFORNIA 90247  
(310) 323-3114 / FAX (310) 324-0914



PERRY JOHNSON  
REGISTRARS, INC.  
ISO 9001 REGISTERED

CAGE # 59053

C.O.R.E. AVIATION SERVICES  
16305 E. TWIN ACRES DRIVE  
GILBERT, AZ 85298

## CERTIFICATE OF COMPLIANCE

BUYER ORDER NO.: STK111121      ITEM: 2

NSN #: NA      PART NUMBER: AN3C50A      REV: 2

DESCRIPTION: BOLT, HEX HEAD, .1900-32 x 5.031, 431, PASSIVATE

SPECIFICATIONS: NASM6812-3, ASTM A 493-09, AMS-H-6875B, AMS2700E

QUANTITY: 500      LOT #: 15896      HEAT #: G18835

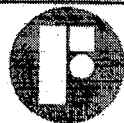
BUTLER INC. HEREBY CERTIFIES THAT THIS LOT HAS BEEN PRODUCED, SAMPLED, INSPECTED, TESTED, MARKED AND PACKAGED IN ACCORDANCE WITH ALL CONTRACT, DRAWING AND SPECIFICATION REQUIREMENTS. FURTHERMORE, BUTLER INC. CERTIFIES THAT DOCUMENTED EVIDENCE OF COMPLIANCE WITH ALL CONTRACT, DRAWING AND SPECIFICATION REQUIREMENTS APPLICABLE TO THIS LOT IS ON FILE AT OUR PLANT IN THE FORM OF MECHANICAL, METALLURGICAL AND/OR CHEMICAL TEST REPORTS AND INSPECTION RECORDS, AND IS AVAILABLE FOR BUYERS REVIEW.

DATE OF EXECUTION: 12/17/13

SIGNATURE: Tod F. Polidori  
TOD F. POLIDORI

TITLE: Q.A. MANAGER

Order No: 3526638  
Time 11:00:41



**FRY STEEL COMPANY**  
Registered ISO 9001  
13325 MOLETTE ST.  
SANTA FE SPRINGS, CA 90670  
(562) 802-2721

B04163  
Cust. NO.: 23694  
P.O. NO.:

## CERTIFICATE OF COMPLIANCE

BUTLER INC \*\*\*  
1600 W 166TH ST  
\*\* MAIL OUT INVOICES \*\*  
GARDENA CA 90247-4704

01/08/13

QTY	--DESCRIPTION--	--ITEM CODE--	--HEAT NUMBER--
	CD 431 ANN AMS 5628 GREEN/YELLOW		
53	BARS 5/16"RD 12'RL	4220	G18835

REVIEWED BY:   
DATE: 1-31-13

### NOTICE

A COPY OF THE ORIGINAL MILL CERTIFICATION IS ATTACHED\*

CHEMICALS & PHYSICALS ARE REPORTED THAT WILL MEET THE SPECIFICATIONS SHOWN ON THE CERTIFICATE.  
EXCEPTIONS TO SPECIFICATIONS SHOULD BE SHOWN ON THE CERTIFICATION.

**AUTOMATIC EXCEPTIONS TO THE SPECS LISTED ARE: LINE MARKING AND INSPECTION (I.E. MAG., SONIC, ETC.)**

WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION, PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED  
CONDITION. "DEFECT FREE" MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

**NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM  
CONTAMINATION AT TIME OF SHIPMENT**

The willful recording of false, fictitious or fraudulent statements on this document may result as a felony under federal statutes.  
\*WHEN APPLICABLE

MAT'L USED  
FOR LOT # 15896

  
CHIP SANDOVAL - Q.C. MANAGER



SANTA FE SPRINGS  
CALIFORNIA 90670  
562-944-8808  
800-622-6624  
FAX 562-944-1499  
www.continentalht.com

# CERTIFICATION

CERTIFICATION NUMBER  
626283

S BUTLER INC  
O 1600 W 166TH STREET  
D GARDENA, CA 90247-4704

S BUTLER INC  
H 1600 W 166TH STREET  
I GARDENA, CA 90247-4704  
P  
T  
O

CUSTOMER NUMBER 0047500	DATE RECEIVED 02/20/13	CUSTOMER P.O. NUMBER 24693	CUSTOMER SHIPPER
----------------------------	---------------------------	-------------------------------	------------------

QUANTITY 1403	WEIGHT 102	PART NUMBER / DESCRIPTION AN3C50A REV. 2 LOT# 15896 HT# G18835 END USER: C.O.R.E H/T, 125-145 KSI PER P.O.	4 PANS
------------------	---------------	--	--------

MATERIAL 431 S/S	HARDNESS 26-32 HRC	MAX-CROSS SECTION .245	CASE DEPTH	CORE HARDNESS
SPECIFICATIONS AMS 2759/5 D AMS-H-6875 B				

PROCESS	SPEC TEMP	SPEC TIME	EQUIP.	ACT TEMP	TIME IN	TIME AT-HEAT	TIME OUT	ATMOS DEWPT	Q-MED & TEMP	DATE
RACK VERT			RACK		1.00	Y				03/21
LOADCOUPLE			WIRE		.08	Y				03/25
SET V P			ATMOS		.02	Y				03/26
PREHEAT	1425	:30	V1	1425	00:05	02:55	03:25	VAC	RAISE	03/26
AUSTENITIE	1875	:45	V1	1875	03:25	05:25	06:10	VAC	OIL	03/26
SUBZERO	-110	2:00	CB3	-110	08:00	08:10	10:10	NIT	A/W	03/26
TEMPER 15	1125	2:00	D16	1125	09:07	09:30	11:30	AIR	A/C	03/27
TEMPER 15	1125	2:00	D12	1125	06:45	07:40	09:40	AIR	A/C	03/28
GLASS BEAD			B2		1.00	Y				03/29

HARDNESS VALUES, AS REPORTED, ARE CONVERTED VALUES FROM READINGS  
TAKEN ON THE HRA SCALE USING ASTM E 140

REVIEWED BY: [Signature]  
DATE: 4-4-13

HARDNESS: 26-30 HRC QTY TESTED: 15 QTY ACCT: 1403 QTY REJT: 0

INSPECTOR  
WALTER WILLIAMS JR.

DATE  
03/20/13

QUALITY MANAGER  
JIMMY MARTINEZ FOR KEN NELSON

This Process Certification covers thermal processing and/or hardness testing only. No particular mechanical properties of any material should be assumed, or are implied, as a result of the thermal processing and/or hardness testing cited in this Process Certification. Material processed in a mercury-, radium- and asbestos-free environment. Unless otherwise specified above, for all AMS material specifications, no qualification or periodic testing has been performed. LL FURNACES CERTIFIED TO MEET THE REQUIREMENTS OF AMS-H-6875, CURRENT REVISION. HARDNESS TESTING PERFORMED TO THE LATEST EDITION OF ASTM E 384, ASTM E 10, ASTM E 110, ASTM E 18, ASTM E 140 AND ASTM A 370.



Element Materials Technology  
15062 Bolsa Chica  
Huntington Beach, CA  
92649-1023 USA

P 714 892 1961  
F 714 892 8159  
T 888 786 7555  
info.hb@element.com  
element.com

Contact: Tod Polidori  
Butler, Inc.  
1600 West 166th Street  
GARDENA, CA 90247

### TEST CERTIFICATE — EAR-CONTROLLED DATA

Date: 4/30/2013  
Purchase Order Number: 25061  
Work Order Number: BUT004-04-26-25101-1

Part No.:	AN3C50A REV. 2
Lot No.:	15896
Heat No.:	G18835
Material:	431
Specification:	NASM6812-3

#### FASTENER EVALUATION — STAINLESS STEEL

Number of Pieces:	5
Etchant:	
Micro:	Vilella's
Temperature:	Ambient
Magnification:	100X/200X
Macro:	Vilella's
Temperature:	Ambient
Magnification:	20X
Grain Flow:	
Head:	Grain flow follows the contour of the head. (Acceptable)
Head to Shank Fillet:	Grain flow follows the contour of the head to shank fillet. (Acceptable)
Threads:	Grain flow follows the contour of the threads. (Acceptable)
Cracks:	The entire sample shows no evidence of cracks.
Discontinuities / Defects:	
Head:	No discontinuities / defects found.
Threads:	
Crest Laps:	0.002" (Within limits)
Flank Laps:	No discontinuities / defects found.
Root Laps:	No discontinuities / defects found.
Grain Growth:	None
Grain Size:	ASTM 7.0
Surface Condition on Head:	No surface contamination (IGA) found.
Surface Condition on Threads:	No surface contamination (IGA) found.
Microstructure:	Exhibits fine tempered martensite with no visible carbide precipitation in the grain boundaries.
Surface Hardening:	None except as created in cold working of fillet radius or rolling of threads.

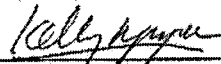
#### MATERIAL CONFORMS TO SPECIFICATION

This document contains technical data whose export and re-export/ retransfer is subject to control by the U.S. Department of Commerce under the Export Administration Act and the Export Administration Regulations. The Department of Commerce's prior written approval may be required for the export or re-export/retransfer of such technical data to any foreign person, foreign entity or foreign organization whether in the United States or abroad.

REVIEWED BY: 

DATE: 4-30-13

Respectfully submitted



Kelly Nguyen  
Senior Quality Administrator

15062 Bolsa Chica, Huntington Beach, CA 92649  
(714) 892-1961 ph • (714) 892-8159 fax www.element.com

The information contained in this certification represents only the material submitted and is certified only for the quantities tested. Reproduction except in full is reserved pending written approval. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punishable as a felony under federal law. All testing was performed in a mercury free environment. All testing performed in accordance with the latest edition of the applicable ASTM, or other Federal Test Method in effect at the time of test.

# Allblack Company, LLC

13090 Park St.

Santa Fe Springs, CA 90670

Phone: (562) 946-2955

Fax: (562) 946-6665

## Certificate of Conformance

To: Butler Inc.

1600 West 166th Street

Gardena, CA 90247

United States

From: Allblack Company, LLC

13090 Park St.

Santa Fe Springs, CA 90670

Packing List No: 337522

Today's Date: 04/25/13

Shipping Date: 04/25/13

PO Number: 25069

### MERCURY FREE PROCESS

Quantity

Shipped

Unit

Description

Job Number

1

LOT

PASSIVATE PER AMS2700E AN3C50A REV 2 LOT#15896 431 MATL  
HEAT#G18835 2 PANS 52# 1,279 PIECES

458926

1

EA

FUEL FEE SURCHARGE

458927

GENTLEMEN: This is to certify that the following articles have been processed and/or inspected as indicated above in accordance with military standards and specifications. All Certification correction requests must be made within 30 days of the original certification date. After that date, no changes will be made.

REVIEWED BY: 

DATE: 4-26-13

  
Inspector's Initials

Allblack Company, LLC



**PERRY JOHNSON  
REGISTRARS, INC.**  
ISO 9001 REGISTERED

# BUTLER INC.

1600 W. 166th STREET  
GARDENA, CALIFORNIA 90247  
(310) 323-3114 / FAX (310) 324-0914



**PERRY JOHNSON  
REGISTRARS, INC.**  
ISO 9001 REGISTERED

## CERTIFIED TEST REPORT

CAGE CODE: 59053

PART NO: AN3C50A REV: 2  
LOT NO: 15896  
HEAT NO: G18835  
MAT'L: 431

PROCUREMENT SPEC: NASM6812 REV: 3  
LOT SIZE: 1373  
TEST DATE: 04/23/13  
CERTIFICATION NO: 4697

Test type: **Rockwell hardness**

Test value: N/A

Test method:

Butler procedure no:

Results:

1.	5.	9.	13.	17.	21.	25.	29.
2.	6.	10.	14.	18.	22.	26.	30.
3.	7.	11.	15.	19.	23.	27.	31.
4.	8.	12.	16.	20.	24.	28.	32.

Technician: \_\_\_\_\_

Stamp: \_\_\_\_\_

Test type: **Axial tensile**

Test value: 2210 lbs min

Test method: NASM1312-8

Butler procedure no: BIQOP 8.2.4-5.4

Results:

1. 3448 lbs	5. 3408 lbs	9.	13.	17.	21.	25.	29.
2. 3453 lbs	6.	10.	14.	18.	22.	26.	30.
3. 3477 lbs	7.	11.	15.	19.	23.	27.	31.
4. 3471 lbs	8.	12.	16.	20.	24.	28.	32.

Technician: P. Ron

Stamp: (48)

Flavio Ron

Test type: **Double shear**

Test value: 4250 lbs min

Test method: NASM1312-13

Butler procedure no: BIQOP 8.2.4-5.5

Results:

1. 5563 lbs	5. 5569 lbs	9.	13.	17.	21.	25.	29.
2. 5534 lbs	6.	10.	14.	18.	22.	26.	30.
3. 5548 lbs	7.	11.	15.	19.	23.	27.	31.
4. 5507 lbs	8.	12.	16.	20.	24.	28.	32.

Technician: P. Ron

Stamp: (48)

Flavio Ron

Test type: **Recess torque**

Test value: N/A

Test method:

Butler procedure no:

Deformation allowable:

Installation:

Removal:

Sample size:

Results:

Technician: \_\_\_\_\_

Stamp: \_\_\_\_\_

Test type: **Magnetic permeability**

Test value: N/A

Test method:

Butler procedure no:

Results:

Sample size:

Technician: \_\_\_\_\_

Stamp: \_\_\_\_\_

Material, as tested, conforms to specification requirements. The information on this report represents only the material tested. This report shall not be reproduced except in full without the written approval of Butler Inc.